SBRW2-00006/2021-22
20/4/2021 Indent No 41905

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

No. First and Final Bill (For Other Works) Date.....20

Division:**Byatarayanapura** Sub-Division: **Byatarayanapura Sub Division**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 005-20-000089**

Schedule Docket No. Head of Account: P 3293 Est.Cost- **150.00 Lakhs**

Name of Work: **Drilling Of Borewell And Providing Pump And Motor And Laying Pipe Line At Vinayakanagara Dwarakanagara Kattigenahalli Surrounding Area In Ward No 05 Byatarayanapura**

Name of Contractor and Full Address: **M/S Kranthi Electricals, Prop.Sri.H.V Nagaraj Thirumala Complex, DVG Road, Bagaplli-561207**

Reference to Agreement No: **BBMP/EE/BTP/WO/124/2020-21** Date: **01-10-2020**

Certified that the measurements were taken by me on 25/11/2020 and recorded of Pages 535702-535744 of measurement Book No. 5358/19-20 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 25/11/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

25/11/2020

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within		
2)	Deduct amount to be held in reserve being .....percent Rs.....		
3)	" Balance		
4)	Deduct Payment:		
a)	Amount of previous payment as in the Office Cash Book Voucher 1st & Final (JTB)		14625000 00
	No.....Dated.....S.D. No..... Amount adjusted		146250 00
	towards cash advance recovery of	It	
		cest	130581 00
b)	Payments now made: cost store or other material supplied.	sest	130581 00
	recovery of amount creditable to this/other work	cess	146250 06
	Amount paid on this bill Cheque / Cash.	CBF	14638 00
5)	Balance being unpaid value of work done held in reserve.		
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Ded.	568300 00
7)	Net amount due to or from Contractor unadjustments items.		
8)	Advance to Contractor for materials brought to site (as detailed) within.	Cheque	14056700 00
9)	Value of Government materials supplied.		
	Total amount adjusted -		

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) P3293 (For use in the Office)

Witness

1.

2.

Stamp

14th Finance Commision Works
14625000/-
568300/-
14056700/-

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Executive Engineer

20/4/21

ABSTRACT

Item No	Description	unit	As per Shedule-B			Previous			Present			Total Upto Date		Remarks
			Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Rate	Amount	Qnty	Amount	
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required and directions of Engineer incharge of work.	Each	14	3938.00	55132	-	-	-	14.00	3938.00	55132.00	14.00	55132	
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 0 to 50 m and complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Rmtr	700	362.00	253400	-	-	-	700.00	362.00	253400.00	700.00	253400	
3	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 50 to 100 m and complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Rmtr	700	462.00	323400	-	-	-	700.00	462.00	323400.00	700.00	323400	

4	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 100 to 150 m and complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Rmtr	700	476.00	333200	-	-	-	700.00	476.00	333200.00	700.00	333200	
5	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 150 to 200 m and complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Rmtr	700	560.00	392000	-	-	-	700.00	560.00	392000.00	700.00	392000	
6	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 200 to 250 m and complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Rmtr	700	662.00	463400	-	-	-	700.00	662.00	463400.00	700.00	463400	
7	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 250 to 300 m and directions of Engineer incharge of work.	Rmtr	700	731.00	511700	-	-	-	700.00	731.00	511700.00	700.00	511700	

8	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 300 to 350 m and directions of Engineer incharge of work.	Rmtr	700	862.00	603400	-	-	-	700.00	862.00	603400.00	700.00	603400	
9	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,) 350 to400 m and directions of Engineer incharge of work.	Rmtr	700	940.00	658000	-	-	-	680.00	940.00	639200.00	680.00	639200	
10	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) and directions of Engineer incharge of work.	Rmtr	840	1440.00	1209600	-	-	-	835.00	1440.00	1202400.00	835.00	1202400	
11	Providing and fixing 250mm dia PVC pipe and as per specification . and directions of Engineer incharge of work.	Rmtr	140	1183.00	165620	-	-	-	140.00	1183.00	165620.00	140.00	165620	
12	175 mm dia M.S. Casing cap and directions of Engineer incharge of work.	Each	14	107.00	1498	-	-	-	14.00	107.00	1498.00	14.00	1498	
13	M.S. Casing pipe collars 'C' Class and directions of Engineer incharge of work.	Each	140	161.00	22540	-	-	-	140.00	161.00	22540.00	140.00	22540	
14	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm and directions of Engineer incharge of work.	Sq.cm	308000	0.35	107800	-	-	-	308000.00	0.35	107800.00	308000.00	107800	

15	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation and directions of Engineer incharge of work.	L	826	94.00	77644	-	-	-	825.00	94.00	77550.00	825.00	77550	
16	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (and directions of Engineer incharge of work.	Nos	14	496.00	6944	-	-	-	14.00	496.00	6944.00	14.00	6944	
17	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... and directions of Engineer incharge of work.	Nos	42	156.00	6552	-	-	-	42.00	156.00	6552.00	42.00	6552	
18	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) and directions of Engineer incharge of work.	Mtr	532	177.00	94164	-	-	-	528.00	177.00	93456.00	528.00	93456	
19	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces and directions of Engineer incharge of work.	Mtr	532	89.00	47348	-	-	-	528.00	89.00	46992.00	528.00	46992	
20	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm and directions of Engineer incharge of work.	Mtr	42	307.00	12894	-	-	-	42.00	307.00	12894.00	42.00	12894	
21	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia and directions of Engineer incharge of work.	Nos	14	2849.00	39886	-	-	-	14.00	2849.00	39886.00	14.00	39886	
22	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, and directions of Engineer incharge of work.	Nos	14	292.00	4088	-	-	-	14.00	292.00	4088.00	14.00	4088	

23	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches and directions of Engineer incharge of work.	Nos	14	325.00	4550	-	-	-	14.00	325.00	4550.00	14.00	4550	
24	Borewell Cap and Clamp Set and directions of Engineer incharge of work.	Set	14	1881.00	26334	-	-	-	14.00	1881.00	26334.00	14.00	26334	
25	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 17.50 HP 30 stage and directions of Engineer incharge of work.	Nos	4	75371.00	301484	-	-	-	4.00	75371.00	301484.00	4.00	301484	
26	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 20 HP 40 stage and directions of Engineer incharge of work.	Nos	5	94671.00	473355	-	-	-	5.00	94671.00	473355.00	5.00	473355	
27	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 25 HP 50 stage and directions of Engineer incharge of work.	Nos	5	131332.00	656660	-	-	-	5.00	131332.00	656660.00	5.00	656660	

28	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class and directions of Engineer incharge of work.	Rmtr	4956	433.00	2145948	-	-	-	4950.00	433.00	2143350.00	4950.00	2143350	
29	Supply and fixing Collar for GI Pipes 50MM and directions of Engineer incharge of work.	Nos	840	188.00	157920	-	-	-	811.00	188.00	152468.00	811.00	152468	
30	Supplying of submersible pump cable 1X3X6..0 Sq.mm and directions of Engineer incharge of work.	Mtr	10332	150.00	1549800	-	-	-	10327.00	150.00	1549050.00	10327.00	1549050	
31	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter and directions of Engineer incharge of work.	Nos	14	21945.00	307230	-	-	-	14.00	21945.00	307230.00	14.00	307230	
32	Supplying & delivery of brand 50mm Gate Valve.and directions of Engineer incharge of work.	Nos	14	1881.00	26334	-	-	-	14.00	1881.00	26334.00	14.00	26334	
33	Supplying & delivery of brand 50mm Non Return Valve. and directions of Engineer incharge of work.	Nos	14	1881.00	26334	-	-	-	14.00	1881.00	26334.00	14.00	26334	
34	Supplying and fixing MCB and directions of Engineer incharge of work.	Nos	14	940.00	13160	-	-	-	14.00	940.00	13160.00	14.00	13160	
35	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and directions of Engineer incharge of work.	Cum	1719.9	331.00	569286.9	-	-	-	1715.40	331.00	567797.40	1715.40	567797	

36	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete and directions of Engineer incharge of work.	Mtr	3822	412.00	1574664	-	-	-	3812.00	412.00	1570544.00	3812.00	1570544	
37	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications and directions of Engineer incharge of work.	Cum	1719.9	134.00	230466.6	-	-	-	1715.40	134.00	229863.60	1715.40	229864	
38	BESCOM CHARGES				280000						248803.00		248803.00	
	Total of Other SR Items including GST Unit Rate				5674760.00			-			5616405.00		5616405.00	
	Total of PWD SR 2018-19 Items				**8058976.50**			-			**8043964.00**		**8043964.00**	
	Total				**13733736.50**			-			**13660369.00**		**13660369.00**	
	Add 12% GST for Only PWD SR 2018-19 items				**967077.18**			-			**965275.68**		**965275.68**	
	Grand Total				**14700813.68**			-			**14625644.68**		**14625644.68**	

Certificate

1.The Work executed by the contractor is found satisfactory

2. The contractor has removed the debris from the work spot

3. Thereare no departmental issues for this work

Round off 14625000/-

Contractor

25/11/2020

Asst Engineer

Asst Executive Engineer 25/11/2020

Executive Engineer